

Amendments to the Specification:

Please replace paragraph 6 on page 2 with the following amended paragraph:

"From WO 9816360 and DE 197 14 944 A1 and US 6,126,100, respectively, a device is known wherein the loose synthetic material is supplied to a processing cylinder which exhibits a knife-supporting part to which radially projecting knives are attached along a helical line and a discharge-element-supporting part whose discharge elements are formed from a feed screw. Optionally, a cutting sleeve is slipped onto the processing cylinder, namely onto the end region of the processing cylinder, adjacent to the feed screw. The loose synthetic material is cut by means of a shredder shaft on the knife-supporting part of the processing cylinder and compressed via a feed screw located on the shaft by the discharge-element-supporting part of the processing cylinder, before a tangentially flanged extruder is filled. However, said device has the disadvantage that the material is always conveyed in the direction of the discharge-end bearing, the deflection thus leading to an increase in thermal degradation and hence to an increase in the bearing load. In an embodiment illustrated in said document, the extruder is charged via two counter-rotating feed screws provided on one shaft, with the extruder being located in the centre between the screws. Said device involves the drawback that the synthetic material has to be pre-shredded."

Please add the following new paragraph after paragraph 6 on page 2:

"A shredding device disclosed in EP A-0 140 869 is provided with counter-rotating, intermeshing shredding disks for the size reduction of the plastic waste supplied to the known shredding device, which disks are arranged on two shredding rolls lying in parallel to each other. The size reduction of the plastic waste takes place between the shredding disks and deflector elements which, in the disk clearance of the respective other shredding roll, extend from below into the space between the drive shafts. The material broken up by the shredding rolls is discharged through a discharge shaft 3 which preferably directly forms the fill opening of a screw press disposed underneath."